

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002265**Date Inspected:** 11-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the Cross beam (CB7) internal surface ,for Blasting inspection, vide request no. 3384 at Blasting shop 1. This Caltrans inspector observed, ABF inspectors Mr. Vince and Mr. Yui performing said inspection check . It was observed that, these external surfaces were rejected by ABF Inspectors for grinding points and Low profile in some of the areas. The ambient conditions were monitored and is 5 deg. above due point and the relative humidity found to be 76.3% which is acceptable as per contract documents. This Cross beam again offered for inspection vide notification no. 3386, 3388 and 3390. The notification nos 3386 and 3388 found rejected by ABF inspectors for low profile and non attending of Grinding points. The profile was measured and found to be in the range of 78 to 84 microns. This cross beam finally accepted by ABF inspector Mr. Sun. X1 Residual chlorides test have been conducted by ZPMC inspectors and the result found to be 10 us/cm. The result of Residual chlorides test and Profile test found to be acceptable as per contract documents. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process. Photograph showing results of profile test is attached with this report.

2. An inspection was requested for the South tower internal from the base plate to 13 mtr. diaphragm and from 23 mtr. upper double diaphragm to 28 mtr. lower double diaphragm for DFT check, vide notification no. T 775. This Caltrans inspector observed, ABF inspectors Mr. Yue, Mr.Turtle and Mr. Vince performing said inspection check

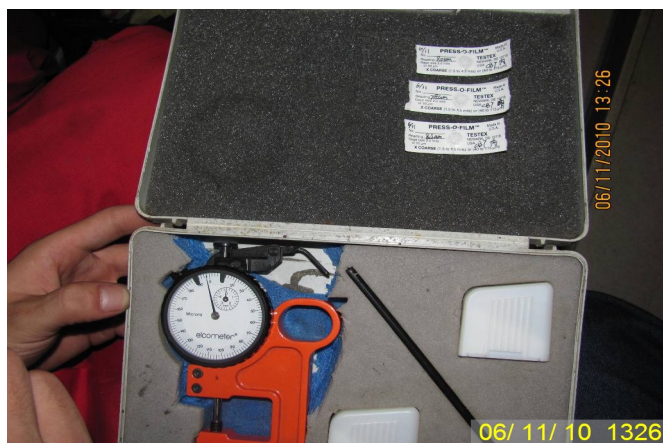
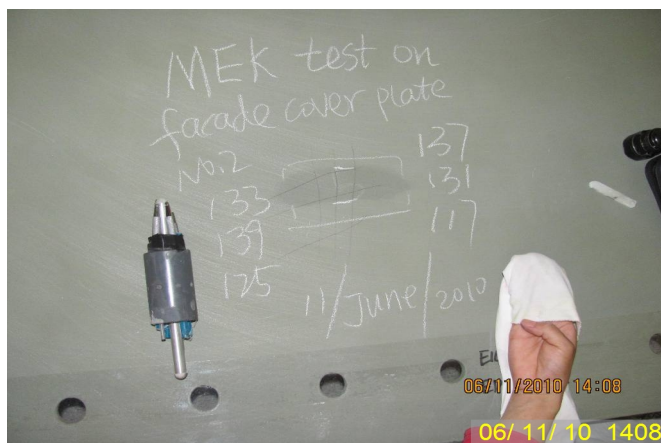
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. These surfaces found rejected by ABF inspectors as mud crack, Over spray and low DFT found in some of the areas. These problems have been found attended by ZPMC personnel's and offered for inspection again and this was found accepted by ABF inspectors. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.

3. An inspection was requested for the Façade cover plate external surface for DFT check, Residual chlorides test and MEK test, vide notification no. T 781. This Caltrans inspector observed, ABF inspectors Mr. Yue, and Mr. Vince performing said inspection check. The results of MEK test found to be in the Grade 5 which is acceptable as per contract documents. The result of Salt test found to be 10 us/cm which is acceptable as per contract documents. Photograph showing MEK test results which is Grade 5 is attached with this report. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

Mr. Don Walton from ABF informed this Caltrans Inspector Baskar Govindarajan that No more Pre Blast Inspection will be offered to Caltrans and this was discussed with Mr. Mazen Wahbeh. The same was communicated to Mr. Tim McLendon, Mr. William Clifford and Mr. Albert Carreon.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Micheal Ng (15921845703), who represents the Office of Structural Materials for your project.

Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer